

Resourceful OKLAHOMA

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**OKLAHOMA PLANNING AND RESOURCES BOARD
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Tulsa Industry Is Turning Out Complex Tools

Visitors to the Midwestern Geophysical Laboratory booth at the Made-In-Oklahoma exposition will have a chance to see in operation complex equipment for oil research, air flight testing, and many other purposes.

One of Oklahoma's newest industries, the ultra-modern Tulsa plant is completely air conditioned. It has 22,000 square feet of floor space, divided into an electrical assembly shop, up-to-date machine shops, a galvanometer department, engineering department, and administrative and sales offices. The company was organized less than three years ago by M. E. Morrow, E. J. Handley, G. R. Morrow, and others.

There are approximately 175 employees, exclusive of sales representatives. Sales offices are maintained in New York; Washington, D. C.; Pasadena, Calif.; Dayton, Ohio; Wichita, Kansas; and Houston, Texas; and there is an export office at Los Angeles.

An important product of the company is geophysical seismograph equipment, used primarily in exploration work by oil companies and contract seismograph firms. This equipment is manufactured for truck-mounted installations as well as in portable sizes.

Oscillographs and galvanometers for use in research laboratories and air flight testing are also produced and distributed by the company. This equipment is sold in large volume throughout the United States and abroad to various government agencies, as well as private research laboratories.

Another product is hydraulic servo control valves, used for close tolerance control in conditions where a very small electrical input is available and a large mechanical power output is required. Such controls are applicable in practically all industries, and are sold throughout the country.

Display at the Made-In-Oklahoma show will include a Midwestern Model 416 truck-mounted seismograph unit; complete sets of portable seismograph equipment for refraction and reflection work; recording oscillographs of various sizes for recording as many as 50 channels of information simultaneously; hydraulic servo control equipment in demonstration, to indicate the many possible varied applications of the equipment; and a dynamic meter for use in air flight testing in conjunction with standard aviation instruments.



"GODEY" STYLED Chinese antique reproduction displayed by Mrs. Ann Decker in the picture above will be among the dolls and figurines she'll show at the Made-In-Oklahoma Manufacturers' Exposition. Mrs. Decker, who has her shop at her home in Chickasha, has turned her ceramics hobby into a profitable small industry.

Adams Hard-Faced Tools Wear Longer

Few people know the company that pioneered hard-facing alloys to make agricultural tools wear longer is located in Oklahoma. But at the Made-In-Oklahoma show, they'll get a chance to become acquainted with the Adams Hard-Facing Co., and to see all the items it manufactures in its main plant at Guymon and branch at Wakita.

W. E. Adams, who is now president, organized the company in 1927. Adams was the first man to develop techniques and procedures for applying hard-facing alloys to the edges and points of agricultural tools to make them wear longer, and make wear self-sharpening.

Adams Hard-Facing Company now manufactures over fifty different types of farm tools, which are marketed through some eight hundred farm implement dealers, and sold through several farm equipment jobbers. In addition it does contract work for farm equipment manufacturers, and in many cases supplies the complete replacement parts for these manufacturers' implements.

Adams Hard-Facing Company has an approximate floor space of 17,000 square feet, and about thirty employees.

Plastic Signs, Gift Items Are Show Feature

Starting as a hobby in 1945, Marshall Plastics Company of Okmulgee has grown steadily each year.

Its founder, T. R. Marshall, first developed a line of gift items. Later, however, he began specializing in small to medium-sized plastic signs, and now is gradually eliminating the gifts so he can devote more time to sign-making.

Desk and door name plates, window and counter signs, bulletin boards, literature display stands—all can be made of plastic. Some of the largest business firms in the southwest are using Marshall's signs. Sold under the trade name, the Carrol Line, they are used in retail stores, banks, factories, offices, hotels, cafes, institutions, etc., all over the nation.

Plastic signs, Marshall explains, stay clean, colorful and bright; unlike cardboard signs, there is no danger of their getting dirty, or developing ragged edges.

Marshall makes special signs to order in quantities of from one to one thousand. Made from sparkling plexiglas, most of them are printed by the hot stamping method. However, he also uses silk screening and molded plastic letters. Sign body and lettering are both available in a wide variety of colors.

Marshall does not yet have regular full time employees, but expects his business to expand this year so they will be necessary. In the meantime, he's using students from the Oklahoma A & M School of Technical Training on a part-time basis when he is not able to supply the demand for his product alone.

Marshall's display at the Made-In-Oklahoma Show will consist mainly of signs of various types, but some of his hand-formed bowls will also be included.

Our Cover

Like most of the rest of the issue, this month's cover picture is devoted to the Made-In-Oklahoma Show, April 8-11, at the Municipal Auditorium in Oklahoma City. Karen Reid of Shawnee displays an Oklahoma flag which was, of course, Made In Oklahoma. Mr. and Mrs. Bob Daugherty, of Daugherty Originals, Shawnee, are the makers of the flag.

"Tailor Made" Boxes Product Of State Firm

"Tailor made" boxes, specially designed to fit each customer's size and need, are produced by the Sooner Corrugated Box Company, Oklahoma City.

Raw material is brought to the plant in sheet form, where it is scored, slotted, and cut to meet the requirements of the individual customer.

In addition to being specially sized and designed to the customer's needs, boxes can be imprinted with trademarks or other advertising material.

Besides standard shipping containers, specialized boxes are made for shipping meat and produce undergoing refrigeration.

Manufacturers and shippers all over Oklahoma use Sooner corrugated shipping containers. Samples of the wide variety of products the company packages will be shown at its booth at the Made-In-Oklahoma Manufacturers' Exposition.

The plant occupies 15,000 square feet. Ten manufacturing employees are required to keep up with the demand for the product, in addition to Factory Superintendent Floyd Shields and Sales Representatives Marion Haynes and Bill Herron.

Wood Preservation Plant Enters Show

A three by four foot scale model of a country scene, including a highway bridge, pole-type barn, farm fence posts, highway posts and power line poles will be the principal attraction at the Joslyn Mfg. and Supply Company exhibit at the Made-In-Oklahoma Show.

All these wood products are creosoted by pressure processes at the company's Panama plant, the largest wood preservation plant in the state.

The Made-In-Oklahoma display will also feature samples of treated wood products and samples of decayed untreated wood.

This industry, the largest in LeFlore county, covers approximately 50 acres, and gives employment to 100 people. It was built in 1937, and purchased by Joslyn in 1939.

Two giant pressure cylinders 96 feet in diameter and 105 and 125 feet long, respectively, are in operation to creosote poles, piling, lumber, timber, highway posts and fence posts.

Carbide Plant Opens Way For More State Industry

Construction will begin in the near future on a multi-million-dollar Midwest Carbide Corporation plant in the Grand River Dam Authority industrial area near Pryor. Negotiations for a site for the plant, which will produce calcium carbide, have been underway more than two years.

The new industry is expected to be in operation within a year.

Though company officials refused to reveal the cost of the plant, the firm has been granted a certificate of necessity for \$2,027,000 rapid tax write-off by the national production authority, and it has been estimated the plant will cost at least \$3 million.

Mid-West Wearing McDowell Uniforms

Bus drivers, policemen, firemen, porters and airmen throughout the mid-continent area are wearing uniforms made by McDowell Brothers, in Oklahoma City. Uniforms for high school and college bands, choir robes, and academic caps and gowns are also produced by the firm.

Band uniforms, industrial uniforms and choir robes will be featured at the company's Made-In-Oklahoma Show exhibit.

Organized in 1933, McDowell Brothers first distributed caps and gowns made in Chicago to Oklahoma high schools. In 1939 its own plant was started, making only caps and gown and choir robes.

Band uniforms were added in 1941, but the plant was closed up during the war. In 1946 it reopened larger than ever in its own building, which was made bigger in 1948.

Industrial uniforms are the newest addition to the company's line.

All Types Ceramics Featured by Neill's

All types of ceramics, featuring salt and peppers, small collectors items and pieces in Pennsylvania Dutch clay, will be displayed at the Made-In-Oklahoma Show by Neill's Ceramic Studio of Chickasha.

Mrs. Lillian Neill became interested in ceramics after she took a hobby course at Oklahoma College for Women in 1947. In the summers of 1948 and 1949, she studied under Grant Beach in Los Angeles, Calif., and opened her studio to students and customers in the fall of '49.

She added china painting to her line soon after. In addition, she sells all types of greenware, supplies and kilns, and does custom firing.

Location of the Midwest Carbide plant in the area is expected to attract other industries, according to France Paris, GRDA general manager. Three additional plants costing from \$1 million to \$3 million each are expected to follow Midwest Carbide to the new area.

Calcium carbide the plant will produce is a basic material for many other products, Paris pointed out. Acetylene gas, a calcium carbide derivative, has been used to produce fiber for synthetic wearing apparel, film material and synthetic blood plasma.

Added to the abundant and cheap steam, industrial water, electricity and natural gas already available through GRDA facilities, calcium carbide is expected to attract several petro-chemical industries.

The new Midwest Carbide plant will employ from 75 to 100 workers, according to Louis F. Loutrel, New York, president. It is expected to use large quantities of Oklahoma limestone and coke as raw materials.

The company's plant at Keokuk, Iowa, has been in operation since 1916 and employs approximately 150 persons.

Calcium carbide is produced by heating quick lime and coke to about six thousand degrees Fahrenheit with electrical energy. Introducing water to the carbide produces acetylene gas. The firm is willing to build a generating plant to produce the acetylene gas if any firm considering location in the GRDA area needs large quantities of it.

Midwest Carbide is the fourth large plant to locate in the GRDA area. National Gypsum Co. and Certain-teed Products, Inc. each have large paper mills in operation there, and an \$18 million plant to manufacture chemicals used in fertilizers is being constructed by the John Deere Co.

The old Council House, where the Intertribal Council of the Five Civilized Tribes once met, still stands at Okmulgee, and houses a Creek Indian Museum.

Safe Equipment For Playground State Product

Schools, swimming pools, kindergartens, parks and back yards throughout the country are being equipped with "Safety-Bilt" playground and picnic equipment by the Rex Sales Co. of Oklahoma City.

Some of the company's many and varied products will be displayed at the Made-In-Oklahoma Show.

Rex Sales Co. has been in production about five years. Number of employees averages from six to eight.

Seesaws, climbers, swings, slides, horizontal bars and other playground equipment is available in an almost endless variety. In addition, the company builds picnic tables and kindergarten tables with steel pipe frames and wooden table tops and benches for use inside and out. There is also a steel, tip-proof garbage can holder.

Products of the Rex Sales Company are heavy duty, built for durability and complete safety. Electrically-welded frame fittings completely encase top rail and legs at all stress points. Frames are so constructed they cannot collapse even if bolts are removed, and leg spread is three feet wider than height, making tipping impossible. Swing hangers are ball-bearing and chain and metal parts are rust proofed.

Governair Displays Cooling Equipment

A completely Oklahoma-owned manufacturing concern selling air conditioning equipment all over the world is the Governair Corporation of Oklahoma City.

The company, which has an average of fifty-five employees, has been in operation since 1938.

It sells equipment for installation in all parts of the United States, and for export to Canada, Mexico, Cuba, Puerto Rico and several South American countries.

Products it manufactures include completely packaged air conditioners, capacities three to 50 tons; standard and blow-thru Multi-zone conditioners for cooling and heating; evaporative condensers, capacities 3 to 100 tons; blast coils for cooling and heating; and store cooler type packaged air conditioners, capacities three, five and seven and a half tons.

A completely packaged air conditioning unit, a store cooler type unit, and possibly other items will be displayed by the firm at the Made-In-Oklahoma Show.



Products of the G & H Goose Decoy Co. of Henryetta will be among the displays at the third Made-In-Oklahoma Show, April 8-11. Three types, Canadian Honker, Snow Goose and Blue Goose are manufactured by the firm. J. V. Hutton, who with John Gazalski, owns the business, poses with some of their work.

Firm Reconditions Engines and Parts

"The Southwest's Little River Rouge" is the name sometimes given the Fred Jones Manufacturing Company of Oklahoma City, only Ford-authorized reconditioner in Oklahoma.

The company has reconditioned more than 60 thousand Ford, Lincoln and Mercury engines since it has been in operation, in addition to more than 600 thousand carburetors, fuel pumps, distributors and other parts. Reconditioned engines and parts are given a new car guarantee.

The plant covers approximately 35 thousand square feet; it has over a hundred employees, and an investment of more than three-quarters of a million dollars.

All its products will be on display at the Made-In-Oklahoma Manufacturers' Exposition in various forms to show before and after reconditioning, and the steps during the reconditioning process. Testing equipment used in the reconditioning process will also be shown.

Fred Jones Manufacturing Company operates a fleet of ten automotive units and trucks, distributing its products to more than 225 dealers in Oklahoma, Texas and New Mexico. Thirty-three foot trailers, veritable stock rooms on wheels, are used to deliver engines and parts to dealers. Fully loaded, each one contains fifty engines and approximately two thousand small parts.

Oklahoma Plant Locale Pleases Glass Company

Pittsburgh Plate Glass Company, one of the largest, oldest, and best-established in the United States, will have an exhibit from its window glass plant at Henryetta in the Made-In-Oklahoma Show April 8-11.

In 1929 when Pittsburgh officials sought a site for one of its major window glass plants, the natural resources and favorable locations in the state of Oklahoma attracted them to the progressive Southwest.

Since glass making is one of the oldest industries in northern Oklahoma, skilled labor was available for this operation. Also, the dry, mild climate which helps prevent window glass from staining was an influencing factor.

Today, Henryetta, known as Works Ten in the vast network of Pittsburgh Plate's production units, is the oldest and largest window glass plant west of the Mississippi. As a result of improved manufacturing methods, production in recent years has increased about five times the amount the plant was originally designed to produce. Eight hundred and fifty-seven persons are employed in the plant.

In addition to the Henryetta operation, the company has established two of its large distributing merchandising branches at Tulsa and Oklahoma City. Also, a store has been located at Enid. Approximately 125 employees are on the payroll at the three units.

Keystone of Pittsburgh Plate's distributing system is the Merchandising Division, with its 278 merchandising branches and sales offices serving jobbers, dealers and customers from coast to coast. This system has made possible major savings for the ultimate consumer.

Operations in Oklahoma, and particularly at Henryetta, which has expanded and enlarged since 1929, have demonstrated the company was right in thinking Oklahoma really has what it takes. Abundance of major physical factors, combined with favorable conditions and cooperativeness of an energetic, robust and progressive people have helped increase the stature of the Pittsburgh Plate Glass Company during the last two decades.

Chouteau is sometimes called the "gateway to the eastern Oklahoma lake area because the Lake O' The Cherokees, Lake Spavinaw and Fort Gibson Lake are all nearby.

Oklahoma Plant Supplying Food Of 30,000 Dogs

Approximately 30,000 dogs throughout Oklahoma, Texas, Kansas, Mississippi and Missouri owe their daily horse meat to Pets Meat Packing Co. of Rush Springs, another of the exhibitors in the Made-In-Oklahoma show.

Under the trade names Hi-Vi 100 and Kilroy, Pets' markets straight horse meat from healthy animals purchased alive and slaughtered on the premises. Three other products, Hi-Vi 50, Big Boy and Rusty dog foods have horse meat as a base, blended with cereals, minerals and meat broth to make a highly nutritious meal for any family's pet.

The business was started in Lawton, in May, 1947. In 1950, when it outgrew the building and equipment available, it negotiated with Rush Springs Industries, Inc., for the use of a building and some equipment, and began operations in the smaller town.

Arthur S. Harris, president of the company, highly recommends small towns for business locations. There are thirteen local families on his payroll, drawing about \$750 per week, and he has never had any labor trouble. Business has tripled in the past two years—development he attributes to loyal distributors and to employees who take a wholehearted interest in the work and the product they make. First plant was an old sausage kitchen. Then the company dealt primarily in fresh horse meat. A small canning operation was started soon, sealing cans at the rate of six a minute. A borrowed home pressure cooker was used, making a total production of about two cases, or 96 cans, a day. Sales at that time were entirely to retail stores, and they increased so fast it was soon possible to increase equipment and put out about 100 cases or 4800 cans a day. Then they started marketing through wholesale grocers in Lawton and surrounding towns.

After the move to Rush Springs, territory was expanded and a semi-trailer truck purchased to facilitate delivery to distant points.

To increase production modern automatic equipment has been installed. Total production is approximately 15,000 cans per day.

Rich grasslands and mild climate in south central Oklahoma make it such a good place for raising cattle it is known as Hereford Heaven.

Kingfisher Will Display Wares At State Show

Products of Kingfisher's industries will be displayed for the first time at this year's Made-In-Oklahoma Show, and visitors will be surprised at the size and number of industries that city has.

Thirty feet of space has been reserved for the exhibit, which is being presented through cooperation of the manufacturers and the Kingfisher Chamber of Commerce.

Manufacturers to be represented are The Harvester Co., Inc., Klingsicks' Machine Shop, Pollock Metal Products, Crandall & Sanders and Carpenter Sheet Metal.

Largest exhibitor will be The Harvester Co., manufacturers of one-way plows and wheel-mounted tandem disc harrows.

Klingsicks' products to be shown will include a Helicoid grain auger, six-inch capacity (made in lengths from 10 to 30 feet); whirling-type lawnmower, heavy 12-gauge construction, 20-inch cut, powered by 2 h.p. engine; and garbage can stands of simple design but sturdy construction.

Pollock Metal Products will show an assortment of Chim-Vent aluminum awnings.

Crandall & Sanders will display the improved ball-and-stem guides made by the firm for use by plumbers and the general public.

Carpenter Sheet Metal will show a metal sign designed for use by dairy-stand installations.

State Firm Shows Better Oil Filter

Filter-Rite, "the fabulous filter of the fifties," an Oklahoma product from Chickasha, will be on display at the Made-In-Oklahoma Manufacturers Exposition. Made by Sooner Products Co., the filter offers many improvements over conventional oil filter elements.

Engineering that gives engines greater internal cleaning protection for longer and better service is Filter-Rite's claim to fame, and it has passed the test of use in Texas heat, Oklahoma dust, Nebraska cold and New Mexico sand.

Developed by E. J. Kilgore, it features advanced design in perforation, and a steel container that is tin plated to protect from rust, and that is not affected by hot oil, motor acids, or high detergent oil.

Burner to Heat Greenhouse Is Made in State

A small unit heater for greenhouses, equipped with a natural gas burner that does not throw off any fumes harmful to plants, is manufactured by the Southern Burner Company of Chickasha. Products of the plant, including two types of heaters, will be featured in the company's Made-In-Oklahoma Show exhibit, as will colorful plants grown in green houses using the heaters.

Mr. and Mrs. Henry Minnett, owners of the business, will be at the display all during the show to answer questions.

The factory is located on a 25-acre, landscaped tract half a mile south of Chickasha. There are four large buildings that house the foundry, machine shop, sheet metal working shop, paint, packing and testing and shipping room, besides a warehouse and office. Four employees are on the job the year round, and more are added during the rush season.

Two types of heaters are manufactured. An open flame Model C is the favorite of commercial growers, and there is also a vented heater manufactured in two sizes for use in greenhouses where orchids are grown. All unit heaters can be had in manually operated or automatic models. The latter are equipped with a safety type thermostat that gives bench level temperature control, eliminating the need for having someone in constant attention.

Southern Burner Co. was started over 20 years ago by Gilbert E. White. At first he manufactured only burners for use in boilers. Later he made a floor furnace, the second on the market. A lover of flowers, he saw the need for a cheaper and easier means for heating greenhouses.

The unit heater he developed met a ready acceptance from southern growers; previously they had had to keep a fire all day to produce the steam needed at night. As gas was made available to more states the use of the heaters has spread until they have reached 47 of the 48 states. In 1952 alone there were sales in 32 states.

During World War II when material was scarce White dropped the manufacture of floor furnaces and devoted all his time to greenhouse heaters. The company was sold to Mr. and Mrs. Minnett at White's death in 1948.

Oldest tree in Oklahoma is a cypress in McCurtain county, near Broken Bow, which is over 2000 years old.

JP Machine & Tool Display Features Special Surface

J. P. Special Surface, a new metal highly resistant to abrasion and corrosion, will be featured at the J. P. Machine and Tool Co. display at the Made-In-Oklahoma Show.

The company began working with the new metal, which is applied to piston rods, plungers, shafts and sleeves, five years ago, and has been selling J. P. Special Surface for three years. A pioneer in the field, it is one of the three leading producers in the U. S. Demand for the product has tripled in the past two years, according to Jimmy Brewer, company representative.

Finishing Firm Takes Pride In State Industry

"We are naturally proud of our progress and even more proud to be a part of the Oklahoma industry that has made it all possible."

That's how K. K. Cundiff, president of A-B Commercial Finishing Company of Tulsa, feels about his exhibit in the Made-In-Oklahoma Show.

A-B Commercial Finishing offers Electrofilm dry film lubrication, anodizing, aluminizing, black oxidizing and cadmium plating, as well as sand-blasting and product enameling. It pioneered these services for Oklahoma industry, and is the only firm in the state offering all of them on a job or production basis. All these processes will be featured at the company's exhibit at the show.

Cundiff began his metal products finishing business in 1936 as a one-man shop. Main purpose at that time was the finishing of commercial fixtures and market equipment. Later he became interested in possibilities offered in the growing geophysical research industry, and began to specialize in this field. By working closely with the research labs, he learned their needs and finishing problems. Adding new services as the need arose, he kept pace with their constantly growing requirements in metal treating and finishing.

Services and facilities have been expanded since the Korean war to meet demands of defense production.

Two years ago a new building was constructed, increasing floor space to 5,750 square feet. Ten or twelve men are employed, with an average weekly payroll of \$800. Annual dollar volume is \$100,000.

Washington Irving, famous early American writer, visited Oklahoma, and wrote about it in his "A Tour of the Prairies," published in 1832.

Tests have shown the Special Surface rods last five and a half times longer pumping salt water, four times as long in acid service, and eight times as long pumping gasoline. The Army Engineers specified J. P. Special Surface pump rods for exploration drilling equipment they recently purchased.

In addition to J. P. Special Surface, the company produces liners, piston rods, stud rods, studs, junk rings, gland bushings, swivel wash pipes, drill collars, rotary subs, jet nipples, wire line sockets, derrick pins, flange bolts, polished rods, flame hardening, metal spraying and packing and gaskets for all pumps.

It has distributors in Caspar, Wyo.; Great Bend, Kans.; Odessa, Corpus Christi and Dallas, Texas; and Duncan, Okla. Its products are shipped all over the world.

No job is too big or too small for the company. It has produced oil plungers six feet long by six inches in diameter for refineries. It also does machine work for local industries.

"J. P.," from whom the company takes its name, is Joe L. Plasek, who entered the business as an apprentice in 1917. He came to Oklahoma City from Wichita Falls in 1938. When first established, his plant occupied one building, and had six employees. Now it covers 4000 square feet, and there are 35 employees. Glen Barry is shop foreman.

Plasek chose the Oklahoma City location because it is in the heart of the drilling and refining industries, which his company chiefly serves. Oil, however, is not the only customer; Oklahoma's glass factories, for example, use J. P. Special Surface plungers for bottle molds. They report they last from three to five times as long in molten glass. The Coogan Salt Co. uses J. P. Special Surface plungers in its salt mine west of Sayre.

J. P. Machine and Tool company is working with all Oklahoma industries to make Oklahoma a still greater state.

Oklahoma City is the largest city in the state. Its population, according to the 1950 census, was 243,500.

Auto-Lite Plant In Operation 25 Years in State

Twenty-five years of continuous operation is being celebrated by the Auto-Lite Battery Corporation plant at Oklahoma City. The largest of its kind in the State of Oklahoma, the plant is one of the exhibitors at the Made-In-Oklahoma Show.

It was in 1931 that Auto-Lite purchased the plant which was then producing 500 batteries per day in 26,000 square feet of floor space by 35 workers. The total payroll was less than \$5,000 monthly.

Today, that same plant has been expanded to a production rate of 2,600 batteries per day in 52,700 square feet of floor space by more than 150 employees. The total payroll has now reached a figure of more than half a million dollars annually.

During the intervening years the plant has been in the Auto-Lite family it has become automatic where the establishment of such equipment is feasible. Several hundred thousands of dollars have been expended to make it one of the most modern battery plants in the nation. A recent enlargement brought about a new warehouse, new executive offices, new chemical and engineering laboratory, new first aid room, new shipping dock and a new oxide mill (the only oxide mill in the state of Oklahoma).

Though, through necessity, some raw materials are brought in from great distances, many products are purchased within the state.

Lead comes from the tri-state area of northeastern Oklahoma; sulphuric acid comes from Bartlesville; cartons come from Muskogee and even the important cotton linters are manufactured within the state.

"Best Mower" Goal Of Hainke Company

Nineteen years in the lawn mower business is the record of the Oscar Hainke Sales and Mfg. Co. of Enid. In fact, the Hainke was the first horizontal blade type motor introduced in this country.

Three of Hainke's power mowers will be on display at the Made-In-Oklahoma Show.

Popularity of his product seems to indicate he's succeeded; in the eight years he's been in Enid, Hainke has sold approximately 9,000 mowers in the state of Oklahoma.

Furniture Made By Dulaney Is Show Feature

Furniture of the exclusive Custa Craft Line, featuring high styling and the finest construction known to the furniture industry, will be exhibited by Dulaney's Manufacturers and Distributors at the Made-In-Oklahoma Show.

The Oklahoma City firm was founded by Luther T. Dulaney in May, 1941, to distribute wholesale appliances and furniture. A manufacturing plant was purchased in September, 1942, and upholstered chairs, studio suites and living room suites added to their line.

The manufacturing venture, which followed the policy of "never compromise quality for price," proved so successful that sales outgrew facilities and space, and in January, 1952, the company moved to a new modern plant to supply the rapidly increasing demand.

In addition to the higher-priced Custa Craft line, the company recently announced two other completely new lines, the Dulaney, a medium priced group of high quality construction and styling; and the Econo Line, a group built with the "budget buyer" in mind, while still maintaining better workmanship and quality than normally expected in the price range.

When first started, Dulaney's had eleven employees, including two territorial salesmen in Oklahoma. Today the company has 167 employees, including 25 salesmen in Oklahoma, Kansas, Missouri, New Mexico and Texas, and is delivering furniture in its own fleet of nine trucks.

State-Made Coffee Oklahoma Favorite

The finest coffees from Central and South America are processed in Oklahoma City, packaged in an inexpensive container, and sold throughout the state in large enough quantities to justify the slogan, "More Oklahomans drink Cain's than any other brand."

Cain's is proud of the speed with which their coffee reaches the consumer, insuring its freshness. It's possible, they point out, for a pound of coffee to leave the roasting oven during the morning, be placed on the grocery shelf, sold, and served on an Oklahoma dinner table, all in the same day.

As an added guarantee of freshness, the container is pliofilm lined, and the bag is dated.



Kiowa and Caddo Indian costumes which will be displayed at the Made-In-Oklahoma Show are modeled by Sybil Johnston and Jewel Thompson, both of Anadarko. Costumes were made by members of the Inter-Tribal Crafts Association, a cooperative enterprise composed of 21 western Oklahoma Indian tribes.

Millwork Plant Is Big Industry

"We firmly believe that such an important and lasting investment as the home should contain only those materials that meet the highest standards, and that will give long and satisfactory service." That's the precept upon which the Oklahoma Sash and Door Co. has been doing business in Oklahoma since 1897.

The company operates a modern millwork factory in Oklahoma City, turning out a wide variety of products used in the home. These include "Nuline" window units with AWWI quality approved seal, windows, window frames, door frames, screen doors, window screens, mouldings, doors, combination storm and screen doors and other millwork. In addition, it is jobber for many other products.

Including warehouse and shipping facilities, the plant occupies approximately 100,000 square feet of floor space. Number of employees varies from fifty to seventy, depending on the season of the year.

Products are sold through retail lumber dealers throughout Oklahoma.

The company's display at the Made-In-Oklahoma Show will feature Nuline window units, screen doors, combination storm and screen doors, panel doors and mouldings.

Broken Arrow Winch Factory Enters Show

The most modern winch factory in the world is located in Oklahoma, and Braden Winch Company of Broken Arrow, which claims that distinction, will be an exhibitor in the Made-In-Oklahoma Show.

The plant, which was moved from Tulsa to Broken Arrow to make expansion easier at the end of World War II, covers 77,000 square feet of floor space. Two hundred ten people are employed there.

Glen T. Braden became interested in winches when he was operating the McEwen Gas Engine Company in Pennsylvania in 1924. The oil industry was beginning to use individual pump jacks instead of multiple operated larger gasoline engines. The McEwen company began producing a winch built into the hub of the truck wheel which was ideal for general oil field work.

When dual-wheel trucks came into use, Braden turned to conventional truck horizontally mounted winches. He has worked steadily to improve the old winch designs. Developments pioneered by Braden and later adopted by the entire winch industry to meet his competition were a steep angle Timken tapered thrust-type bearing to carry the thrust-load that caused generation of excessive heat; an oil-cooled safety brake, the first ever used in the winch industry; draft tooth clutch construction; one-piece worm gears and many other developments for winch safety.

During World War II, Braden began mounting underslung winches on the front end of army vehicles to insure mobility in soft terrain. Braden made the first installations for testing purposes and the original ordnance specifications for the front end winches came about by photographs of two front mounted winches that were built by Braden. They were later tested and became the first equipment of this type. For many months during the war Braden Winch Company produced up to 500 of these winches a day for the Armed Forces. This front end winch is still used in every combat area where the United States armed forces and their allies are engaged.

In the four years the company has been in its new location, there has been a continuous replacement of machine tools with the most modern and specialized machinery available for the production of the best winch equipment offered the public today.

Food's Better As Result Of Tulsan's Work

"Abundant living" is the personal philosophy of Ray Whitaker of Tulsa, and it's also the keynote of his business. Products of Whitaker Seasonings, to be displayed at the Made-In-Oklahoma Exposition, "do wonderful things for people."

For instance, there's Tok, the only steak tenderizer that is also a seasoning. Whitaker developed it for his personal use, when he discovered most of the steaks he got when traveling were tough. Tenderizing ingredient is papain, an enzyme which comes from a tropical fruit, the papaya melon. It also aids digestion. Tok has been on the market since 1951, and is greatly in demand because it makes cheaper meat cuts as tender and tasty as the more expensive.

Backbone of the business is Whitaker Manah, an all-food preparation which arrests bacterial growth in meats and seals in their natural juices. Whitaker has been selling it to meat dealers all over the country since he went in business for himself in 1942. He has over 20,000 customers.

"Steak at hamburger prices" is another Whitaker idea, made possible by the newest product, Reddy. Coarsely ground hamburger mixed with Reddy and chilled overnight acquires the texture of tender steak; and it's full-flavored, like pre-seasoned sausage.

Whitaker has acquired equipment for packaging frozen "Reddy-steaks" for sale, and he's planning to put his own variety of dried soup on the market soon.

Whitaker has been advertising nationally since 1944, and the bulk of his business is by mail. He reports a \$150,000 to \$160,000 volume of business a year, with only one salesman.

Whitaker went in business with \$50, mixing Manah himself and selling it from his car. Now his plant at 1915 South Phoenix occupies 660 square feet of floor space. It's air conditioned, and has an automatic heating and sprinkling system. He has five to eight employees, and the most modern machinery to turn out his product on a mass production basis.

Ike Gets Desk Made in State

A desk for the president is coming from Executive Furniture, Inc., of Oklahoma City, and people who examine the special custom-built desk to be on display at the Made-In-Oklahoma show will understand why this firm was chosen to build one for the chief executive.

President Eisenhower's desk will be presented to him by Governors Johnston Murray and Allan Shivers in the names of the people of Oklahoma and Texas.

High-grade office furniture made by the Oklahoma company is being shipped all over the United States.

The plant is equipped with the finest, most up-to-date woodworking machinery available; in the finishing department, for example, there is a conveyerized forced dry finishing oven.

Executive Furniture, Inc., has been in production slightly less than five years. Employment varies from 50 to 175, depending on production requirements.

Brown Will Display Blinds and Awnings

A wide variety of window blinds and awnings manufactured by a company that began operations in Oklahoma and grew with the state will be displayed by the Brown Manufacturing Company at the Made-In-Oklahoma show.

The display will feature an entirely new product, Lectro-Ejer, as well as regular Air-O-Blind metal louver products, metal жалousies (outside Venetian-type blinds), glass жалousies and metal awnings.

Lectro-Ejer is completely manufactured in the company's Oklahoma City factory, and is being sold throughout the United States through leading wholesale houses, as well as retail stores. It will be nationally advertised in Better Homes and Gardens, Hollands and Sunset Magazines.

Air-O-Blind products are manufactured in Oklahoma City and in the company's Florida branch plant, and are distributed through a network of assembly plants

Farm Implement Plant Covering Big Sales Area

A full line of pull-type one-way plows, in eight sizes to fit every condition and need throughout the country, is manufactured by the Harvester Company, Inc., of Kingfisher. Though it went into production just a year ago, the company already has a widespread distribution area.

A six-foot one-way plow and a nine-foot tandem disc harrow (wheel mounted) will be displayed at the Made-In-Oklahoma Show.

Equipment is designed for use with or without hydraulic equipped tractors at the same list price. Plows are streamlined, rugged and equipped with Timken bearings for easy or tough plowing conditions. The company also has a line of wheel-mounted tandem disc harrows.

The plant now occupies a 50 by 120-foot building, with corresponding size to the rear used for outside storage of materials and finished products, and for painting and loading. There are from 20 to 24 employees during the peak of the season, and more when the demand justifies.

The Kingfisher location was obtained early last year, and installation of equipment, tooling up, and making jigs was started in February, 1952. Production was started in March and a plow was entered in the Kingfisher Annual Farm Machinery show.

The company's dealer organization started with Oklahoma and Texas, and expanded all over the mid-west. There's even a Canadian distributor. The sales department is constantly working on a wider territory and bigger dealer organization.

throughout the southern part of the United States and Puerto Rico.

Incorporated in July, 1947, the company's Oklahoma City plant now contains approximately 18,000 square feet.

It has from 30 to 75 employees, varying with the season.